



(51) Int. Cl.: **B29C 47/14**,  
**B29C 47/20**, **B29C 47/30**,  
**B29C 47/38**, **B29C 59/00**,  
**B32B 27/32**, **B65D 65/38**,  
**C08J 5/18**, **C08L 23/00**,  
**C08L 51/06**

(52) EPO. Cl.: **B29C 47/06**,  
**B32B 27/32**, **C08F 255/02**,  
**C08L 23/02**

(11) Patent Id: **DE 3915533 A1**  
(43) Date: **15.11.1990**

(21) Applic id: **DE 3915533A**  
(22) Filed: **12.05.1989**

(30) Priority: **DE 3915533A 12.05.1989**  
Family: **DE 3915533 A1 15.11.1990**  
(71) Applicant: **HOECHST AG (DE)**  
(72) Inventors:

⇒ **MURSCHALL URSULA DR (DE)**  
⇒ **SCHLOEGL GUNTER DR (DE)**  
⇒ **SCHMIDT ROBERT DR (DE)**

**(54) Printable, metallisable oriented polyolefin film - contg. olefin polymer with polar gps., esp. polypropylene-polyacrylic acid graft copolymer, and another polyolefin**

**(57)**

Printable or metallisable oriented polyolefin film (I) contains 10-100 wt.% of an olefinic polymer with polar functional gps. (II). (I) is produced (a) by mixing the granular polymers, melting in a twin-screw extruder, forcing through a slot die, quenching on a cooling roller, orienting by stretching longitudinally and transversely, heat-setting and winding on a spool, or (b) extruding the melt through a ring die with a central cooling core, and blown with compressed air, or (c) (as one component of a co-extruded multilayer flat structure, e.g. the top layer on a film substrate) by melting the polymers in separate extruders and combining the melts in a multilayer die or by the adapter method, etc. Apart from (II), (I) contains 0-90 wt.% poly-(2-6C)-alpha-olefin and/or statistical copolymer, pref. polyethylene (PE) or polypropylene (PP) (III); (II) is a graft copolymer of (III) and acrylic or polyacrylic acid units in the wt. ratio (10:1)-(1:10), pref. (2:1)-(1:2); (I) contains 30-100 (pref. 30-80) wt.% graft copolymer. USE/ADVANTAGE - (I) is useful for the prodn. of printed or metallised polyolefin film.